

09/868188

JC03 Rec'd PGT/PTC 15 JUN 2001

Patent
Attorney's Docket No. 004501-550

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
)
KLAUS BOHNERT, et al.) Group Art Unit: Unassigned
)
Application No.: Unassigned) Examiner: Unassigned
)
Filed: June 15, 2001)
)
For: FIBRE BRAGG-GRATING SENSOR)

#31A
20 Oct 01
R. Talbot

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-captioned patent application, it is requested that
the following amendments be entered.

IN THE CLAIMS:

Please replace Claims 1-12 as follows.

1. (Amended) A fiber-optic pressure sensor, in particular suitable for measuring
differential pressures and flow rates in oil drill holes, comprising a transducer with a sensor
fiber which has at least one fiber Bragg grating, wherein

- a) the transducer comprises at least one first pressure member for holding a first
medium under an all round pressure p_1 ,
- b) the transducer comprises at least one second pressure member for holding a
second medium under an all round pressure p_2 , and

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